Welcome to DIALOG

Dialog level 02.11.01D

Logon file001 02dec02 07:19:24
*** ANNOUNCEMENT ***
***
--File 515 D&B Dun's Electronic Business Directory is now online completely updated and redesigned. For details, see HELP NEWS 515.
***
--File 990 - NewsRoom now contains May 2002 to present records. File 993 - NewsRoom archive contains 2002 records from January 2002-April 2002. To search all 2002 records, BEGIN 990,993 or B NEWS2002.
***
--Alerts have been enhanced to allow a single Alert profile to be stored and run against multiple files. Duplicate removal is available across files and for up to 12 months. The Alert may be run according to the file's update frequency or according to a custom calendar-based schedule. There are no additional prices for these enhanced features. See HELP ALERT for more information.
***
--U.S. Patents Fulltext (File 654) has been redesigned with new search and display features. See HELP NEWS 654 for information.
***
--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.
***
--CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.
***
--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.
***
--Important news for public and academic libraries. See HELP LIBRARY for more information.
***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
***
For information about the access to file 43 please see Help News43.
***
NEW FILES RELEASED
***Dialog NewsRoom - Current 3-4 months (File 990)
***Dialog NewsRoom - 2002 Archive (File 993)
***Dialog NewsRoom - 2001 Archive (File 994)
***Dialog NewsRoom - 2000 Archive (File 995)
***TRADEMARKSCAN-Finland (File 679)
***TRADEMARKSCAN-Norway (File 678)
***TRADEMARKSCAN-Sweden (File 675)
***
UPDATING RESUMED
***Delphes European Business (File 481)
***
RELOADED
***D&B Dun's Electronic Business Directory (File 515)
***U.S. Patents Fulltext 1976-current (File 654)
***Population Demographics (File 581)
***Kompass Western Europe (File 590)
***D&B - Dun's Market Identifiers (File 516)

REMOVED
CSA Files:
***Abstracts in New Technologies and Engineering (File 238)
***Aerospace Database (File 108)
***Aluminium Industry Abstracts (File 33)
***Applied Social Sciences Index and Abstracts (File 232)
***Aquatic Sciences and Fisheries Abstracts (File 44)
***ARTbibliographies Modern (File 56)
***Ceramic Abstracts (File 335)
***Conference Papers Index (File 77)
***Engineered Materials Abstracts (File 293)
***ISMEC: Mechanical Engineering Abstracts (File 14)
***Life Sciences Collection (File 76)
***Linguistics and Language Behavior Abstracts (File 36)
***LISA (Library & Information Science Abstracts) (File 61)
***Materials Business File (File 269)
***METADEX: Metals Science (File 32)
***Oceanic Abstracts (File 28)
***Pollution Abstracts (File 41)
***Sociological Abstracts (File 37)
***Water Resources Abstracts (File 117)
Other files:
***Chicago Tribune (File 632)
***Fort Lauderdale Sun Sentinel (File 497)
***The Orlando Sentinel (File 705)
***Newport News Daily Press (File 747)
***U.S. Patents Fulltext 1980-1989 (File 653)
***Washington Post (File 146)
***Books in Print (File 470)
***Court Filings (File 793)
***Publishers, Distributors & Wholesalers of the U.S. (File 450)
***State Tax Today (File 791)
***Tax Notes Today (File 790)
***Worldwide Tax Daily (File 792)

New document supplier
IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<
****
* ** **

File 1:ERIC 1966-2002/Nov 11
(c) format only 2002 The Dialog Corporation

Set Items Description
--- ----- ----------
Cost is in DialUnits
? b 410
02dec02 07:19:25 User219511 Session D578.1
$0.37 0.105 DialUnits File1
$0.37 Estimated cost File1
$0.37 Estimated cost this search
$0.37 Estimated total session cost 0.105 DialUnits

File 410:Chronolog(R) 1981-2002/Nov
(c) 2002 The Dialog Corporation

```
      Set  Items  Description
      ---  -----  -----------
? set hi %%%;set hi %%%
HILIGHT set on as '%%%'%%%
%%%HILIGHT set on as '%%%'
? b 411;set files 155,biotech
     02dec02 07:19:33 User219511 Session D578.2
        $0.00    0.072 DialUnits File410
    $0.00  Estimated cost File410
    $0.03  TELNET
    $0.03  Estimated cost this search
    $0.40  Estimated total session cost   0.177 DialUnits
File 411:DIALINDEX(R)

DIALINDEX(R)
  (c) 2002 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
>>>        135 is unauthorized
>>>1 of the specified files is not available
  You have 22 files in your file list.
  (To see banners, use SHOW FILES command)
? s lect2?

Your SELECT statement is:
  s lect2?

        Items   File
        -----   ----
          13    155: MEDLINE(R)_1966-2002/Nov W3
          16     5: Biosis Previews(R)_1969-2002/Nov W3
          12     34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
          10     71: ELSEVIER BIOBASE_1994-2002/Dec W1
           8     73: EMBASE_1974-2002/Nov W4
          19     94: JICST-EPlus_1985-2002/Sep W5
           1    143: Biol. & Agric. Index_1983-2002/Oct
           5    144: Pascal_1973-2002/Nov W4
           1    315: ChemEng & Biotec Abs_1970-2002/Oct
           4    357: Derwent Biotech Res.__1982-2002/Dec W1
           1    358: Current BioTech Abs_1983-2002/Oct
          13    399: CA SEARCH(R)_1967-2002/UD=13723

  12 files have one or more items; file list includes 22 files.

? save temp; b 155,5,71,73,357,399;exs;rd
Temp SearchSave "TD570" stored
     02dec02 07:20:04 User219511 Session D578.3
        $0.38    0.215 DialUnits File411
    $0.38  Estimated cost File411
    $0.21  TELNET
    $0.59  Estimated cost this search
    $0.99  Estimated total session cost   0.392 DialUnits

SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R)  1966-2002/Nov W3
*File 155: For updating information please see Help News155. Alert
feature enhanced with customized scheduling. See HELP ALERT.
  File   5:Biosis Previews(R)  1969-2002/Nov W3
       (c) 2002 BIOSIS
*File   5: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
  File  71:ELSEVIER BIOBASE  1994-2002/Dec W1
       (c) 2002  Elsevier Science B.V.
  File  73:EMBASE  1974-2002/Nov W4
       (c) 2002 Elsevier Science B.V.
*File  73: Alert feature enhanced for multiple files, duplicates
removal, customized scheduling. See HELP ALERT.
  File 357:Derwent Biotech Res.  _1982-2002/Dec W1
       (c) 2002 Thomson Derwent & ISI
*File 357: File is now current.  See HELP NEWS 357.
Alert feature enhanced for multiple files, etc. See HELP ALERT.
  File 399:CA SEARCH(R)  1967-2002/UD=13723
       (c) 2002 American Chemical Society
*File 399: Use is subject to the terms of your user/customer agreement.
Alert feature enhanced for multiple files, etc. See HELP ALERT.

      Set  Items  Description
      ---  -----  -----------
Executing TD570
Hilight option is not available in file(s) 399
HILIGHT set on as '%'
     S1     64  LECT2?
...examined 50 records  (50)
...completed examining records
     S2     26  RD (unique items)
? t s2/7/1-26

 2/7/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

13556382  21477704  PMID: 11594512
 Neutrophil functions of patients with vasculitis related to
myeloperoxidase-specific anti-neutrophil antibody.
 Suzuki K
 Laboratory of Biodefence, National Institute of Infectious Diseases
(NIID-NIH), Tokyo, Japan. ksuzuki@nih.go.jp
 International journal of hematology (Ireland)  Aug 2001, 74  (2)
p134-43,  ISSN 0925-5710  Journal Code: 9111627
 Document type: Journal Article; Review; Review, Tutorial
 Languages: ENGLISH
 Main Citation Owner: NLM
 Record type: Completed
 Neutrophils are hypothesized to cause tissue damage resulting in the
development of vasculitis and glomerulonephritis, although they are known
to primarily take part in host defense functions. The infiltration of
inflammatory cells. notably neutrophils and macrophages, is observed in the
progression of vasculitis. Neutrophils with activated status and
anti-neutrophil cytoplasmic antibodies (ANCAs), especially
myeloperoxidase-specific (MPO)-ANCA, have been implicated in the
development of vasculitis. The target molecule of MPG-ANCA is a lysosomal
enzyme MPO that usually acts to kill bacteria, viruses, and fungi and that
causes damage to the tissue due to the toxicity of its product,
hypochlorite (OCl-). To elucidate the role of MPO-ANCA in the progression
of vasculitis, a set of MPO-peptide fragments has been developed, and the
corresponding epitope site for the specific monoclonal and/or oligoclonal
antibody resulting in vasculitis has been determined. Recently some mouse
models have been used for analyzing the correlation between MPO and
MPO-ANCA in relation to damage of blood vessels followed by the development
of vasculitis. This review focuses on the role of activated neutrophils in
the development of vasculitis associated with MPO-ANCA and the target
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molecules of ANCA. In addition, the reactivities of ANCA and inflammatory cytokines involving leukocyte-derived chemotaxin 2 (%LECT2%) are also discussed. (51 Refs.)
Record Date Created: 20011011

2/7/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11376885 21487307 PMID: 11601697
Chicken mim-1 protein, P33, is a heterophil chemotactic factor present in Salmonella enteritidis immune lymphokine.
Bischoff K M; Pishko E J; Genovese K J; Crippen T L; Holtzapple C K; Stanker L H; Nisbet D J; Kogut M H
Southern Plains Agricultural Research Center, US Department of Agriculture, Agricultural Research Service, College Station, Texas 77845, USA. bischoff@ffsru.tamu.edu
Journal of food protection (United States) Oct 2001, 64 (10) p1503-9 , ISSN 0362-028X Journal Code: 7703944
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Lymphokine (ILK) secreted from concanavalin A-stimulated T cells from Salmonella Enteritidis-immune chickens is an undefined mixture of proteins that confers protection against Salmonella infectivity when administered to day-old chicks. It has previously been shown that polyclonal antibodies raised against human granulocyte colony-stimulating factor (GCSF) can neutralize the heterophil activation that is responsible for ILK's protective effect. Western blot analysis of ILK probed with anti-GCSF antibodies detects a prominent protein of mass 33 kDa. We have sequenced the first 20 amino acids of this protein and found it to be identical to residues 24 to 43 of P33, a 326-amino acid protein of unknown function encoded by the chicken mim-1 gene. The primary structure of P33 consists of two 140-residue imperfect repeats that are each homologous to a mammalian neutrophil chemotactic factor termed leukocyte cell-derived chemotaxin 2 (%LECT2%). We have expressed mim-1 in Escherichia coli and demonstrated in
vitro that recombinant P33 is chemotactic for heterophils, the avian equivalent of mammalian neutrophils. We have also constructed a derivative of P33 that consists of residues 33 to 165 (P33[33-165]), the first repeat sequence of P33 that is homologous to %LECT2%. P33(33-165) is chemotactic
for heterophils both in vitro and in vivo, inducing an influx of heterophils into the peritoneum in a response similar to that observed with ILK. These results suggest that P33 functions as a chemotactic factor in chickens and that it plays an active role in ILK-mediated protection against Salmonella infection.
Record Date Created: 20011016

2/7/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11178291 21200200 PMID: 11305608
Possible changes in expression of chemotaxin %LECT2% mRNA in mouse liver
after concanavalin A-induced hepatic injury.
Segawa Y; Itokazu Y; Inoue N; Saito T; Suzuki K
Zeria Pharmaceutical Co., Ltd., Ohsato-gun, Saitama, Japan. ken-yakuri@zeria.co.jp
Biological & pharmaceutical bulletin (Japan) Apr 2001, 24 (4) p425-8 , ISSN 0918-6158 Journal Code: 9311984
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
The functions of leukocyte-derived chemotaxin 2 (%LECT2%), a novel liver-specific protein, are not well defined, especially after hepatic injury. The changes in expression of %LECT2% mRNA were investigated after concanavalin A (Con A)-induced hepatic injury in mice. Serum glutamate pyruvate transaminase (s-GPT) activity and the percentage of liver DNA fragmentation, an indicator of hepatic apoptosis, increased 8 h after intravenous administration of Con A (13 mg/kg). Expression of %LECT2% mRNA
was reduced from 8-24 h after injection of Con A, but was detected again 48 h after recovery from hepatic injury. Expression of tumor necrosis factor (TNF)-alpha and interferon (IFN)-gamma mRNA was observed in liver 2 h after Con A injection. Z-Val-Ala-Asp(OMe)-CH2F (Z-VAD-FMK), a caspase inhibitor, was administered to mice to investigate whether %LECT2% was involved in apoptosis of liver cells after Con A injection. Z-VAD-FMK inhibited s-GPT activity and DNA fragmentation in the liver 8 h after Con A-induced hepatic injury, but did not prevent the reduction of %LECT2% mRNA, or induction of TNF-alpha and IFN-gamma mRNA expression. When the relation between expression of %LECT2%, TNF-alpha and IFN-gamma mRNAs was examined 8 h after
Con A injection in wild-type or immunodeficient (nu-/nu-) mice, the increase in TNF-alpha and IFN-gamma mRNA expression was found to be closely
related to a reduction in %LECT2% mRNA expression. These results suggest that the reduction in expression of %LECT2% mRNA is not directly involved in apoptosis and may be inversely related to the expression of TNF-alpha and/or IFN-gamma mRNA in the injured liver.
Record Date Created: 20010417

2/7/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10975114 20531692 PMID: 11081442
Molecular cloning of carp (Cyprinus carpio) leucocyte cell-derived chemotaxin 2, glia maturation factor beta, CD45 and lysozyme C by use of suppression subtractive hybridisation.
Fujiki K; Shin D H; Nakao M; Yano T
Department of Bioscience and Biotechnology, Graduate School, Kyushu University, Hakozaki, Fukuoka, Japan. fujikik@agr.kyushu-u.ac.jp
Fish & shellfish immunology (ENGLAND) Oct 2000, 10 (7) p643-50, ISSN 1050-4648 Journal Code: 9505220
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Record Date Created: 20010214

2/7/5 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10750647 20313947 PMID: 10857804
Val58Ile polymorphism of the neutrophil chemoattractant %LECT2% and rheumatoid arthritis in the Japanese population.
Kameoka Y; Yamagoe S; Hatano Y; Kasama T; Suzuki K

National Institute of Infectious Diseases, Tokyo, Japan.
Arthritis and rheumatism (UNITED STATES) Jun 2000, 43 (6) p1419-20, ISSN 0004-3591 Journal Code: 0370605
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Record Date Created: 20000630

2/7/6 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10284295 99282099 PMID: 10355968
Expression pattern of a newly recognized protein, %LECT2% , in hepatocellular carcinoma and its premalignant lesion.
Uchida T; Nagai H; Gotoh K; Kanagawa H; Kouyama H; Kawanishi T; Mima S; Yamagoe S; Suzuki K
Department of Pathology, Nihon University School of Medicine, Tokyo, Japan.
Pathology international (AUSTRALIA) Feb 1999, 49 (2) p147-51, ISSN 1320-5463 Journal Code: 9431380
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Leukocyte cell-derived chemotoxin 2 (%LECT2%) is a recently isolated protein and has been shown to be synthesized by human hepatocytes. All hepatocytes show diffuse immunostaining for %LECT2% within the cytoplasm. In the present study, an attempt was made to clarify the expression pattern of %LECT2% in nine cases of low-grade malignant hepatocellular carcinoma (LGM-HCC) and five cases of advanced HCC and 19 cases of premalignant lesion, termed atypical hyperplasia (AH), using the indirect immunoperoxidase technique. .Variable spotty to coarsely diffuse staining in the majority of cells, a mixture of positively staining and negatively staining areas, and essentially negative staining was observed within the cellular cytoplasm of AH, LGM-HCC and advanced HCC, respectively. The expression of %LECT2% became weaker with the progression of multistep hepatocarcinogenesis. The data clearly demonstrate that %LECT2% becomes
essentially negative in full-blown HCC cells and that the histological distinction between AH and LGM-HCC is valid. It also seems likely that %LECT2% is related to hepatocyte growth.
Record Date Created: 19990701

2/7/7 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10079403 99048897 PMID: 9832057
Systemic expression of a newly recognized protein, %LECT2%, in the human body.
Nagai H; Hamada T; Uchida T; Yamagoe S; Suzuki K
Department of Pathology, Nihon University School of Medicine, Tokyo, Japan.
Pathology international (AUSTRALIA) Nov 1998, 48 (11) p882-6, ISSN 1320-5463 Journal Code: 9431380
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
%LECT2% (leukocyte cell-derived chemotaxin 2) is a new, recently isolated protein shown to be synthesized by hepatocytes. All hepatocytes show diffuse immunostaining for %LECT2% within the cytoplasm. In the present study an attempt was made to investigate the expression of %LECT2% in normal and diseased human organs and tissues, other than the liver, using indirect immunoperoxidase staining. %LECT2% was found to be generally expressed in vascular, endothelial and smooth muscle cells, adipocytes, cerebral nerve cells, apical squamous epithelia, parathyroid cells, sweat and sebaceous glandular epithelia, Hassall bodies and some mononuclear cells in immunohematopoietic tissue, although some of these cells and tissues were occasionally unstained in diseased conditions. Alternatively, this protein was generally negative, although it was occasionally positively stained in osteoblasts, chondrocytes, cardiac and skeletal muscle cells, smooth muscle cells of the gastrointestinal tract, and the epithelial cells of some tissues. %LECT2% seems to be related to the cell cycle or repair process following damage to a variety of cells.
Record Date Created: 19990202

2/7/8 (Item 8 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09956150 98382586 PMID: 9714793
The mouse %Lect2% gene: cloning of cDNA and genomic DNA, structural characterization and chromosomal localization.
Yamagoe S; Watanabe T; Mizuno S; Suzuki K
Department of Bioactive Molecules, National Institute of Infectious Diseases, 1-23-1 Toyama, Shinjuku-ku, Tokyo 162-8640, Japan.
Gene (NETHERLANDS) Aug 17 1998, 216 (1) p171-8, ISSN 0378-1119 Journal Code: 7706761
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
We previously purified bovine leukocyte cell-derived chemotaxin 2 (%LECT2%) as a 16 kDa-secreted protein with a neutrophil chemotactic activity. %LECT2% protein is thought to be multifunctional, since it was recently found to be identical to chondromodulin-II, a growth stimulator of chondrocyte cells. We report here the cloning and structural analysis of mouse %Lect2% cDNAs and genomic DNA; and chromosomal mapping. Two types of
mouse %Lect2% cDNAs were cloned: one encoded the mouse counterpart of human
and bovine %LECT2% proteins, and the other encoded a queer type %LECT2%
protein whose amino-acid sequence in the carboxy terminus was different from that of the normal type %LECT2% protein. The mouse %Lect2% gene spanned approx. 8 kb and consisted of five exons and four introns. The genomic organization revealed that two type transcripts arose by an alternative splicing event involving exon 4. A primer extension analysis revealed that several transcription initiation sites occurred within 60-210 nucleotides upstream from the translation initiation codon. The mouse %Lect2% gene was mapped to a region adjacent to D13Mit13, D13Mit21 and Il-9
on chromosome 13 by interspecific backcross mapping.
Record Date Created: 19981005

2/7/9 (Item 9 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09786459 98207247 PMID: 9545637
Molecular cloning, structural characterization, and chromosomal mapping of the human %LECT2% gene.
Yamagoe S; Kameoka Y; Hashimoto K; Mizuno S; Suzuki K
Department of Bioactive Molecules, National Institute of Infectious Diseases, Tokyo, Japan.
Genomics (UNITED STATES) Mar 15 1998, 48 (3) p324-9, ISSN 0888-7543
Journal Code: 8800135
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
We originally isolated %LECT2% (leukocyte cell-derived chemotaxin 2) as a 16-kDa secreted protein having a human neutrophil chemotactic activity, then cloned human and bovine %LECT2% cDNAs and demonstrated the liver-specific expression of the protein. %LECT2% is thought to be a multifunctional protein, because it was recently found to be identical to chondromodulin-II a growth stimulator of chondrocyte cells. We report here the cloning and the structural analysis of the human %LECT2% gene. The gene spans approximately 8 kb and consists of four exons and three introns. Primer extension analysis revealed that several transcription initiation sites occur within 70-230 nucleotides upstream of the translation initiation codon. Several transcriptional control sequences relevant to the liver-specific expression have been identified at the 5' untranslated region of the human %LECT2% gene. The human %LECT2% gene was mapped to
chromosome 5q31.1-q32 by fluorescence in situ hybridization. This region contains a cluster of cytokine genes including IL-4, IL-5, and IL-9.
Record Date Created: 19980608

2/7/10 (Item 10 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09765547 98193133 PMID: 9524238
Molecular cloning of human and bovine %LECT2% having a neutrophil chemotactic activity and its specific expression in the liver.
Yamagoe S; Mizuno S; Suzuki K
Department of Bioactive Molecules, National Institute of Infectious Diseases, Tokyo, Japan. syamagoe@nih.go.jp
Biochimica et biophysica acta (NETHERLANDS) Mar 4 1998, 1396 (1) p105-13, ISSN 0006-3002 Journal Code: 0217513
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
We previously reported the purification and amino acid sequence of a novel neutrophil chemotactic protein termed %LECT2% (leukocyte cell-derived chemotaxin 2). In this paper we report molecular cloning of human and bovine %LECT2% cDNAs based on the amino acid sequence of the purified protein. The deduced amino acid sequence of human %LECT2% (hLECT2) shows an
86% identity to bovine %LECT2% (bLECT2). The deduced primary structures of
%LECT2% were highly homologous to the repeated units of Mim-1 protein (myb induced myeloid protein-1). The mim-1 gene is one of the known myb target genes and is specifically expressed in normal and transformed immature granulocytes in the chicken. Northern blot analysis of normal human tissues demonstrated that the hLECT2 gene is specifically expressed in the adult and fetal livers. In addition, several human hepatoma cell lines also expressed %LECT2% mRNA, suggesting that hepatic cells in the liver produce %LECT2% protein.
Record Date Created: 19980421

2/7/11 (Item 11 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09502720 97410126 PMID: 9266841
Expression of a neutrophil chemotactic protein %LECT2% in human hepatocytes revealed by immunochemical studies using polyclonal and monoclonal antibodies to a recombinant %LECT2%.
Yamagoe S; Akasaka T; Uchida T; Hachiya T; Okabe T; Yamakawa Y; Arai T; Mizuno S; Suzuki K
Department of Bioactive Molecules, National Institute of Infectious Diseases, Tokyo, Japan.
Biochemical and biophysical research communications (UNITED STATES) Aug
8 1997, 237 (1) p116-20, ISSN 0006-291X Journal Code: 0372516
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
A recombinant human neutrophil chemotactic protein %LECT2% (rhLECT2) was
purified as a 16-kDa protein from the culture fluids of stable transfectants derived from CHO cells (clone C1D8-1) and L929 cells (clone L2E4-1). The N-terminal amino acid sequence of the protein secreted by both clones were homologous to the previously described bovine %LECT2%. We produced polyclonal and monoclonal antibodies against rhLECT2 and investigated secretion of %LECT2% protein in six human hepatoma cell lines, which express %LECT2% mRNA, and in hepatocytes of normal human livers by a
sandwich enzyme-linked immunosorbent assay and by immunostaining using the
antibodies, respectively. We revealed that five of six hepatoma cell lines secreted %LECT2% into culture fluids at concentrations of 30-135 ng/mg. We also demonstrated that the cytoplasm of human hepatocytes was diffusely stained, although periportal hepatocytes tended to be weakly and granularly stained by immunostaining. These results indicated that the novel protein was expressed in hepatocytes and suggested an important role of %LECT2% in
the cells in addition to the activation of neutrophils.
Record Date Created: 19970908

2/7/12 (Item 12 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09422156 97314765 PMID: 9170929
[Activation of neutrophil by cytokines]
Yamagoe S; Okabe T; Suzuki K
National Institute of Health, Tokyo, Japan.
Tanpakushitsu kakusan koso. Protein, nucleic acid, enzyme (JAPAN) May 1997, 42 (7 Suppl) p1086-91, ISSN 0039-9450 Journal Code: 0413762
Document type: Journal Article; Review; Review, Tutorial
Languages: JAPANESE
Main Citation Owner: NLM
Record type: Completed
(13 Refs.)
Record Date Created: 19970722

2/7/13 (Item 13 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09151951 97031488 PMID: 8877413
Purification and primary amino acid sequence of a novel neutrophil chemotactic factor %LECT2%.
Yamagoe S; Yamakawa Y; Matsuo Y; Minowada J; Mizuno S; Suzuki K
Department of Bioactive Molecules, National Institute of Health, Tokyo, Japan.
Immunology letters (NETHERLANDS) Aug 1996, 52 (1) p9-13, ISSN 0165-2478 Journal Code: 7910006
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
We purified a neutrophil chemotactic factor from a culture fluid of the PHA-activated human T-cell leukemia SKW-3 cells. The factor showed a 16-kDa basic protein by Tricin-SDS-polyacrylamide gel electorophoresis and analysis of amino acid composition. The primary amino acid sequence revealed that the chemotactic factor was significantly different from other known chemotactic factors, indicating a novel protein designated %LECT2%. The sequence revealed homology with the myb-induced myeloid protein-1 (Mim-1), which is expressed from gene in immature and normal granulocytes of chicken. Its biological function had not yet been identified. %LECT2% and Mim-1 may be involved in the regulation of neutrophil functions in an as yet unidentified way.
Record Date Created: 19970206

2/7/14 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

13359403 BIOSIS NO.: 200100566552
Anti-human %LECT2% antibody, cells producing the same, and method and kit for assaying the same.
AUTHOR: Arai Takao(a)
AUTHOR ADDRESS: (a)Noda**Japan
JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1251 (4):pNo Pagination Oct. 23, 2001
MEDIUM: e-file
ISSN: 0098-1133
DOCUMENT TYPE: Patent
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: An antibody reacting specifically with human %LECT2%. This antibody is produced by hybridoma clones G2A5D7 (Accession No. FERM P-15638), A1G1C6 (Accession No. FERM P-15639), 5C5 (Accession No. FERM P-15640), H12D10D6 (Accession No. FERM P-15641), etc. Human %LECT2% can be assayed by reacting human %LECT2% successively with an immobilized antibody which has been formed by binding the above-mentioned antibody to an insoluble support and a labeled antibody which has been formed by labeling another antibody reacting with human %LECT2% with a labeling agent, and then determining the amount of label in the reaction product.

2/7/15 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12659449 BIOSIS NO.: 200000412951
Osteoclasts secrete the chemokine mim-1 and recruit osteoblastic precursor cells: Coupling of bone resorption with new bone synthesis.
AUTHOR: Kelpke S(a); Falany M L; Wu X; Thames A M; Williams J P
AUTHOR ADDRESS: (a)Surgery, University of Alabama, Birmingham, AL**USA
JOURNAL: Journal of Bone and Mineral Research 15 (Suppl. 1):pS147 September, 2000
MEDIUM: print
CONFERENCE/MEETING: Twenty-Second Annual Meeting of the American Society for Bone and Mineral Research Toronto, Ontario, Canada September 22-26, 2000
SPONSOR: American Society for Bone and Mineral Research
ISSN: 0884-0431
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

2/7/16 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12148534 BIOSIS NO.: 199900443383
Leukocyte cell--derived chemotaxin 2b (%LECT2b%).
AUTHOR: Suzuki Kazuo(a); Yamagoe Satoshi; Yamakawa Yoshio; Mizuno Satoshi; Suzuki Kazuo
AUTHOR ADDRESS: (a)663-2, Shiigi, Misaki-machi, Isumi-gun, Chiba-ken**Japan
JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1224 (4):pNO PAGINATION Jul. 27, 1999
ISSN: 0098-1133
DOCUMENT TYPE: Patent
RECORD TYPE: Citation
LANGUAGE: English

2/7/17 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12092250 BIOSIS NO.: 199900387099
Expression of a neutrophil chemotactic factor %LECT2% in liver and symovial cells.
AUTHOR: Suzuki Kazuo(a); Yamagoe Satoshi(a); Uchida Toshikazu; Hatano Yoshimi(a); Kameoka Yosuke(a); Kasama Takeshi; Mizuno Satoshi(a)
AUTHOR ADDRESS: (a)Dept. of Bioactive Molecules, National Institute of Infectious Diseases, Tokyo**Japan
JOURNAL: European Journal of Clinical Investigation 29 (SUPPL. 1):p45 April, 1999
CONFERENCE/MEETING: 33rd Meeting of the European Society for Clinical Investigation Milan, Italy April 8-10, 1999
SPONSOR: European Society for Clinical Investigation
ISSN: 0014-2972
RECORD TYPE: Citation
LANGUAGE: English

2/7/18 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11348955 BIOSIS NO.: 199800130287
Preparation of recombinant six-histidine-tagged human %LECT2%, a chemotactic protein to neutrophils, in Escherichia coli.
AUTHOR: Ito Mie; Yamagoe Satoshi; Tomizawa Kazuo; Mizuno Satoshi; Tanokura Masaru(a); Suzuki Kazuo
AUTHOR ADDRESS: (a)Biotechnol. Res. Cent., Univ. Tokyo, Yayoi 1-1-1, Bunkyo-ku, Tokyo 113**Japan
JOURNAL: Cytotechnology 25 (1-3):p235-238 1997
ISSN: 0920-9069
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: %LECT2% is a chemotactic protein to neutrophils. A recombinant six-histidine-tagged human %LECT2%, (His)6-%LECT2%, was expressed in E. coli using a pET21a(+) vector. The (His)6-%LECT2% was purified from the soluble fraction in E. coli as a single band in sodium dodesyl sulfate/polyacrylamide gel electrophoresis using three steps of column chromatography with Ni2+-charged nitrilo-triacetic acid (Ni-NTA) agarose, DEAE-Sepharose, and CM-Sepharose. The purified (HiS)6-%LECT2% was yielded with 96 mug from the soluble fraction of 1,500 ml culture of E. coli. The circular dichroism spectrum of (HiS)6-%LECT2% showed the folded structure, which is rich in beta-sheet structure and rare in alpha-helix.

2/7/19 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

09941747 BIOSIS NO.: 199598396665
Novel homologous polymorphonuclear leukocytes activating proteins (%LECT2%) derived from human T-cell leukemia SKW-3 cells.
BOOK TITLE: The 9th International Congress of Immunology
AUTHOR: Yamagoe Satoshi(a); Yamakawa Yoshio; Mastuo Yoshinobu; Minowada Jun ; Mizuno Satoshi(a); Suzuki Kazuo(a)
BOOK AUTHOR/EDITOR: 9TH INTERNATIONAL CONGRESS OF IMMUNOLOGY
AUTHOR ADDRESS: (a)Dep. Bioactive Mol., National Inst. Health, Shinjuku-ku, Tokyo 162**Japan
p297 1995
BOOK PUBLISHER: 9th International Congress of Immunology, San Francisco, California, USA
CONFERENCE/MEETING: Meeting Sponsored by the American Association of Immunologists and the International Union of Immunological Societies San Francisco, California, USA July 23-29, 1995
RECORD TYPE: Citation
LANGUAGE: English

2/7/20 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

11142892 EMBASE No: 2001157655
Possible changes in expression of chemotaxin %LECT2% mRNA in mouse liver after concanacalin A-induced hepatic injury
Segawa Y.; Itokazu Y.; Inoue N.; Saito T.; Suzuki K.
Y. Segawa, Zeria Pharmaceutical Co. Ltd., 2512-1 Oshikiri, Kohnan-machi, Saitama 360-0111 Japan
AUTHOR EMAIL: ken-yakuri@zeria.co.jp
Biological and Pharmaceutical Bulletin (BIOL. PHARM. BULL.) (Japan) 2001, 24/4 (425-428)
CODEN: BPBLE ISSN: 0918-6158
DOCUMENT TYPE: Journal ; Note
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 17

The functions of leukocyte-derived chemotaxin 2 (%LECT2%), a novel liver-specific protein, are not well defined, especially after hepatic injury. The changes in expression of %LECT2% mRNA were investigated after concanavalin A (Con A)-induced hepatic injury in mice. Serum glutamate pyruvate transaminase (s-GPT) activity and the percentage of liver DNA fragmentation, an indicator of hepatic apoptosis, increased 8 h after intravenous administration of Con A (13 mg/kg). Expression of %LECt2% mRNA was reduced from 8-24 h after injection of Con A, but was detected again 48 h after recovery from hepatic injury. Expression of tumor necrosis factor (TNF)-alpha and interferon (IFN)-gamma mRNA was observed in liver 2 h after Con A injection. Z-Val-Ala-Asp(OMe)-CHSUB2F (Z-VAD-FMK), a caspase inhibitor, was administered to mice to investigate whether %LECT2% was involved in apoptosis of liver cells after Con A injection. Z-VAD-FMK inhibited s-GPT activity and DNA fragmentation in the liver 8 h after Con A-induced hepatic injury, but did not prevent the reduction of %LECT2% mRNA, or induction of TNF-alpha and IFN-gamma mRNA expression. When the relation between expression of %LECT2%, TNF-alpha and IFN-gamma mRNAs was examined 8 h after Con A injection in wild-type or immunodeficient (nuSUP-/nuSUP-) mice, the increase in TNF-alpha and IFN-gamma mRNA expression was found to be closely related to a reduction in %LECT2% mRNA expression. These results suggest that the reduction in expression of %LECT2% mRNA is not directly involved in apoptosis and may be inversely related to the expression of TNF-alpha and/or IFN-gamma mRNA in the injured liver.

2/7/21 (Item 1 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.

0274545 DBR Accession No.: 2001-14752 PATENT
Knockout mice useful as a disease model for studying liver, bone, brain, respiratory, circulatory and immune system disorders, has deleted neutrophil chemotactic factor %LECT2% gene - the use of knockout transgenic mouse as model for disease
CORPORATE SOURCE: Japan.
PATENT ASSIGNEE: Suzuki 2001
PATENT NUMBER: JP 2001136866 PATENT DATE: 20010522 WPI ACCESSION NO.:
2001-445858 (2048)
PRIORITY APPLIC. NO.: JP 99325307 APPLIC. DATE: 19991116
NATIONAL APPLIC. NO.: JP 99325307 APPLIC. DATE: 19991116
LANGUAGE: Japanese
ABSTRACT: A knockout mouse in which the neutrophil chemotactic factor %LECT2% gene has been deleted is claimed. Also disclosed is all or a

portion of the %LECT2% gene is deleted or the function of the %LECT2% gene is impaired by inserting another gene, preferably a selective marker gene. The knockout mice is useful as a disease model for research and studying the pathology of diseases of the liver in which %LECT2% is involved, such as liver, bone, brain, respiratory, circulatory and immune system disorders, for e.g. hepatitis, hepatic carcinoma, liver cirrhosis, liver regeneration, rheumatism, osteoporosis, nephritis, angiitis, arteriosclerosis, ischemic re-perfusion damage and encephalopathy and for selecting appropriate treatment regimen. The mice is also useful for evaluating the in vivo effect of novel drugs.

2/7/22 (Item 2 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0221097 DBR Accession No.: 98-02694 PATENT
Monoclonal antibodies which recognize human leukocyte-derived chemotaxin-2 - produced by mouse hybridoma cell culture
AUTHOR: Arai T
CORPORATE SOURCE: Aichi, Japan.
PATENT ASSIGNEE: Med.Biol.Lab.Aichi 1997
PATENT NUMBER: WO 9745451 PATENT DATE: 971204 WPI ACCESSION NO.:
98-032586 (9803)
PRIORITY APPLIC. NO.: JP 96132160 APPLIC. DATE: 960527
NATIONAL APPLIC. NO.: WO 971775 APPLIC. DATE: 970526
LANGUAGE: JA
ABSTRACT: New monoclonal antibodies (MAb) which recognize human leukocyte-derived chemotaxin-2 (hLECT2) are produced by culturing hybridoma G2A5D7 (FERM P-15638), A1G1C6 (FERM P-15639), 5C5 (FERM P-15640), H12D10D6 (FERM P-15641) or 89F2 (FERM P-16229), which are obtained by fusion of spleen cells from mice immunized with hLECT2 with mouse myeloma cells. The MAb can be used as the first immobilized antibody in ELISA immunoassays for hLECT2, for the diagnosis of e.g. hepatitis and liver cirrhosis. In an example, BALB/c mice were immunized with recombinant hLECT2. Spleen cells from the mice were fused with mouse myeloma SP-2/0-Ag-14 cells. Hybridomas were screened for an anti-%LECT2% activity and positive clones were isolated. Clone G2A5D7 was immobilized on a microtiter plate and an ELISA assay carried out using hLECT2 at known concentrations in phosphate buffer. The second antibody was peroxidase-labeled IgG1. (43pp)

2/7/23 (Item 3 from file: 357)
DIALOG(R)File 357:Derwent Biotech Res.
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0200833 DBR Accession No.: 96-11604 PATENT
New human leukocyte cell-derived chemotaxin compounds - SKW-3 leukocyte-derived recombinant neutrophil chemotactic compound and leukocyte activating protein %LECT2a% and %LECT2b% production as a fusion protein for use in cancer, etc., diagnosis and therapy
AUTHOR: Suzuki K; Yamagoe S; Yamakawa Y; Mizuno S
CORPORATE SOURCE: Chiba, Japan.
PATENT ASSIGNEE: Suzuki K 1996
PATENT NUMBER: EP 723016 PATENT DATE: 960724 WPI ACCESSION NO.: 96-335477
(9634)
PRIORITY APPLIC. NO.: JP 94293233 APPLIC. DATE: 941128
NATIONAL APPLIC. NO.: EP 95402670 APPLIC. DATE: 951127
LANGUAGE: English
ABSTRACT: Human leukocyte cell-derived chemotaxin compounds %LECT2a% and %LECT2b% of disclosed protein sequence are claimed. Also claimed are: DNA encoding %LECT2b% (DNA sequence disclosed); recombinant plasmid pMAL-TEV-%LECT2b%, constructed by cloning the DNA encoding %LECT2b% downstream of a maltose binding protein (MBP) gene in plasmid pMal-c to encode a fusion protein (FP) inducible by IPTG and having a TEV protease recognition site between the MBP and %LECT2b%; recombinant plasmid pGEX-Xa-%LECT2b%, constructed by cloning the DNA encoding %LECT2b% downstream of a glutathione-transferase (GT, EC-2.5.1.18) gene in plasmid pGEX to encode a FP inducible by IPTG and having a Xa protease recognition site between the GT and %LECT2b%; and transformed cells (Escherichia coli, yeast, insect cells, CHO cells, monkey CV-l cells, CV-l/293 cells, mouse fibroblast cells, mouse C127 cells, mouse NIH3T3 cells, mouse L-929 cells, HeLa cells and human SKW-3 cells) containing the plasmid constructs and encoding human %LECT2b%. The %LECT2b% gene is preferably under the control of the SR-alpha promoter. %LECT2a% and -b are useful for cancer and cytokine-related disease diagnosis and therapy. (17pp)

2/7/24 (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2002 American Chemical Society. All rts. reserv.

134348971 CA: 134(25)348971k PATENT
Neutrophil chemotactic factor LECT2 gene knockout mouse
INVENTOR(AUTHOR): Yamakoe, Satoru; Suzuki, Kazuo; Iwakura, Yoichiro; Saito, Takeshi; Asano, Masahide
LOCATION: Japan,
PATENT: Japan Kokai Tokkyo Koho ; JP 2001136866 A2 DATE: 20010522
APPLICATION: JP 99325307 (19991116)
PAGES: 9 pp. CODEN: JKXXAF LANGUAGE: Japanese CLASS: A01K-067/027A;
C12N-015/09B
SECTION:
CA203002 Biochemical Genetics
CA214XXX Mammalian Pathological Biochemistry
CA215XXX Immunochemistry
IDENTIFIERS: neutrophil chemotactic factor LECT2 gene knockout mouse
DESCRIPTORS:
Liver...
abnormalities in; neutrophil chemotactic factor LECT2 gene knockout mouse
Recombination,genetic...
homologous; neutrophil chemotactic factor LECT2 gene knockout mouse
Apoptosis...
increase in gene knockout mouse liver; neutrophil chemotactic factor LECT2 gene knockout mouse
Chemotactic factors...
LECT2 (leukocyte cell-derived chemotaxin 2); neutrophil chemotactic factor LECT2 gene knockout mouse
Gene,animal...
LECT2; neutrophil chemotactic factor LECT2 gene knockout mouse
Gene targeting... Mouse... Neutrophil...

neutrophil chemotactic factor LECT2 gene knockout mouse

2/7/25 (Item 2 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2002 American Chemical Society. All rts. reserv.

130148723 CA: 130(12)148723m JOURNAL
Liver specific expression of a novel cytokine LECT2
AUTHOR(S): Yamagoe, Satoshi
LOCATION: National Infectious Disease Laboratory, Tokyo-to, Shinjuku-ku, Toyama, Japan, 162-8640
JOURNAL: Kan, Tan, Sui DATE: 1998 VOLUME: 37 NUMBER: 1 PAGES: 55-62
CODEN: KTSUDO ISSN: 0389-4991 LANGUAGE: Japanese PUBLISHER: Kokusai
Isho Shuppan
SECTION:
CA202000 Mammalian Hormones
IDENTIFIERS: review LECT2 cytokine liver
DESCRIPTORS:
Cytokines...
LECT2; structure and liver-specific expression of the novel cytokine LECT2
Liver...
structure and liver-specific expression of the novel cytokine LECT2

2/7/26 (Item 3 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2002 American Chemical Society. All rts. reserv.

125165707 CA: 125(13)165707y PATENT
Human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b
proteins, and plasmids containing the DNA
INVENTOR(AUTHOR): Suzuki, Kazuo; Amiga, Satoshi; Yamakawa, Yoshi; Mizuno,
Satoshi
LOCATION: Japan,
PATENT: Canada Pat Appl ; CA 2163805 AA DATE: 960529
APPLICATION: CA 2163805 (951127) *JP 94293233 (941128)
PAGES: 30 pp. CODEN: CPXXEB LANGUAGE: English CLASS:
C12N-015/19A;
C12N-015/62B; C07K-014/52B; C07K-007/06B
SECTION:
CA215005 Immunochemistry
IDENTIFIERS: human leukocyte derived chemotaxin LECT2a LECT2b, sequence
human leukocyte derived chemotaxin LECT2b
DESCRIPTORS:
Deoxyribonucleic acid sequences,complementary...
for LECT2a and LECT2b proteins of human
Animal cell line,CHO... Escherichia coli...
LECT proteins prepn. with; human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
Proteins,specific or class...
LECT2a (leukocyte-derived chemotaxin 2a); human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
Proteins,specific or class...
LECT2b (leukocyte-derived chemotaxin 2b); human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
Protein sequences...
of LECT2a and LECT2b proteins of human
Plasmid and Episome...
pGEX-Xa-LECT2b, E. coli expression vector; human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
Plasmid and Episome...
pMAL-TEV-LECT2b, E. coli expression vector; human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
Plasmid and Episome...
pSR.alpha.LECT2b, CHO cell expression vector; human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
CAS REGISTRY NUMBERS:
180289-23-0 180473-83-0 amino acid sequence; human leukocyte-derived chemotaxins, DNA encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
180473-84-1 nucleotide sequence; human leukocyte-derived chemotaxins, DNA
encoding the LECT2a and LECT2b proteins, and plasmids contg. the DNA
? b 411;set files 155,biotech
02dec02 07:24:05 User219511 Session D578.4
$0.51 0.160 DialUnits File155
$2.73 13 Type(s) in Format 7
$2.73 13 Types
$3.24 Estimated cost File155
$0.79 0.140 DialUnits File5
$10.50 6 Type(s) in Format 7
$10.50 6 Types
$11.29 Estimated cost File5
$0.87 0.120 DialUnits File71
$0.87 Estimated cost File71
$0.40 0.044 DialUnits File73
$2.50 1 Type(s) in Format 7
$2.50 1 Types
$2.90 Estimated cost File73
$0.96 0.056 DialUnits File357
$8.10 3 Type(s) in Format 7
$8.10 3 Types
$9.06 Estimated cost File357
$2.01 0.160 DialUnits File399
$8.25 3 Type(s) in Format 7
$8.25 3 Types
$10.26 Estimated cost File399
OneSearch, 6 files, 0.681 DialUnits FileOS
$1.08 TELNET
$38.70 Estimated cost this search
$39.69 Estimated total session cost 1.073 DialUnits
File 411:DIALINDEX(R)

DIALINDEX(R)
(c) 2002 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***
*** format unless you enter the SET DETAIL ON command. ***
>>> 135 is unauthorized
>>>1 of the specified files is not available

```
 You have 22 files in your file list.
 (To see banners, use SHOW FILES command)
? s (lect? or mim?) and (bone? or osteo?)

Your SELECT statement is:
  s (lect? or mim?) and (bone? or osteo?)

      Items   File
      -----   ----
>>>File 155 processing for OSTEO? stopped at OSTEONWACHSTUM
       3680   155: MEDLINE(R)_1966-2002/Nov W3
       2697     5: Biosis Previews(R)_1969-2002/Nov W3
         38     6: NTIS_1964-2002/Dec W1
        112     8: Ei Compendex(R)_1970-2002/Nov W4
       3116    34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
         39    65: Inside Conferences_1993-2002/Nov W4
        812    71: ELSEVIER BIOBASE_1994-2002/Dec W1
>>>File 73 processing for OSTEO? stopped at OSTEOPOROTIE
       3097    73: EMBASE_1974-2002/Nov W4
        557    94: JICST-EPlus_1985-2002/Sep W5
        485    98: General Sci Abs/Full-Text_1984-2002/Oct
         17    99: Wilson Appl. Sci & Tech Abs_1983-2002/Oct
          8   143: Biol. & Agric. Index_1983-2002/Oct
<------User Break------>
u!
? s (lect? or mim?) and (bone? or osteoblast? or osteoclast?)

Your SELECT statement is:
  s (lect? or mim?) and (bone? or osteoblast? or osteoclast?)

      Items   File
      -----   ----
       3379   155: MEDLINE(R)_1966-2002/Nov W3
       2418     5: Biosis Previews(R)_1969-2002/Nov W3
         38     6: NTIS_1964-2002/Dec W1
        105     8: Ei Compendex(R)_1970-2002/Nov W4
<------User Break------>
u!
? s (lect? or mim?) and (osteoblast? or osteoclast?)

Your SELECT statement is:
  s (lect? or mim?) and (osteoblast? or osteoclast?)

      Items   File
      -----   ----
        385   155: MEDLINE(R)_1966-2002/Nov W3
        349     5: Biosis Previews(R)_1969-2002/Nov W3
          2     6: NTIS_1964-2002/Dec W1
          5     8: Ei Compendex(R)_1970-2002/Nov W4
        483    34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
          5    65: Inside Conferences_1993-2002/Nov W4
        136    71: ELSEVIER BIOBASE_1994-2002/Dec W1
        354    73: EMBASE_1974-2002/Nov W4
         31    94: JICST-EPlus_1985-2002/Sep W5
         30    98: General Sci Abs/Full-Text_1984-2002/Oct
          2    99: Wilson Appl. Sci & Tech Abs_1983-2002/Oct
          4   143: Biol. & Agric. Index_1983-2002/Oct
        107   144: Pascal_1973-2002/Nov W4
          7   172: EMBASE Alert_2002/Dec W1
         18   266: FEDRIP_2002/Oct
         10   357: Derwent Biotech Res.__1982-2002/Dec W1
          2   369: New Scientist_1994-2002/Oct W3
          2   370: Science_1996-1999/Jul W3
         59   399: CA SEARCH(R)_1967-2002/UD=13723
         13   434: SciSearch(R) Cited Ref Sci_1974-1989/Dec

  20 files have one or more items; file list includes 22 files.

? s (lect?) and (osteoblast? or osteoclast?)

Your SELECT statement is:
  s (lect?) and (osteoblast? or osteoclast?)

      Items   File
      -----   ----
         73   155: MEDLINE(R)_1966-2002/Nov W3
         64     5: Biosis Previews(R)_1969-2002/Nov W3
          1     6: NTIS_1964-2002/Dec W1
          2     8: Ei Compendex(R)_1970-2002/Nov W4
         94    34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
          1    65: Inside Conferences_1993-2002/Nov W4
         14    71: ELSEVIER BIOBASE_1994-2002/Dec W1
         48    73: EMBASE_1974-2002/Nov W4
         19    94: JICST-EPlus_1985-2002/Sep W5
          6    98: General Sci Abs/Full-Text_1984-2002/Oct
          2   143: Biol. & Agric. Index_1983-2002/Oct
         10   144: Pascal_1973-2002/Nov W4
          4   266: FEDRIP_2002/Oct
          1   357: Derwent Biotech Res.__1982-2002/Dec W1
          2   370: Science_1996-1999/Jul W3
         29   399: CA SEARCH(R)_1967-2002/UD=13723
         10   434: SciSearch(R) Cited Ref Sci_1974-1989/Dec

  17 files have one or more items; file list includes 22 files.

? s (lect2? or mim?) and (osteoblast? or osteoclast?)

Your SELECT statement is:
  s (lect2? or mim?) and (osteoblast? or osteoclast?)

      Items   File
      -----   ----
        314   155: MEDLINE(R)_1966-2002/Nov W3
        287     5: Biosis Previews(R)_1969-2002/Nov W3
          1     6: NTIS_1964-2002/Dec W1
          3     8: Ei Compendex(R)_1970-2002/Nov W4
        394    34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
          4    65: Inside Conferences_1993-2002/Nov W4
        123    71: ELSEVIER BIOBASE_1994-2002/Dec W1
        307    73: EMBASE_1974-2002/Nov W4
         12    94: JICST-EPlus_1985-2002/Sep W5
         25    98: General Sci Abs/Full-Text_1984-2002/Oct
          2    99: Wilson Appl. Sci & Tech Abs_1983-2002/Oct
          2   143: Biol. & Agric. Index_1983-2002/Oct
         97   144: Pascal_1973-2002/Nov W4
          7   172: EMBASE Alert_2002/Dec W1
         14   266: FEDRIP_2002/Oct
          9   357: Derwent Biotech Res.__1982-2002/Dec W1
          2   369: New Scientist_1994-2002/Oct W3
         30   399: CA SEARCH(R)_1967-2002/UD=13723
          3   434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
```

19 files have one or more items; file list includes 22 files.

? s (lect2? or mim-1) and (osteoblast? or osteoclast?)

Your SELECT statement is:
s (lect2? or mim-1) and (osteoblast? or osteoclast?)

Items	File
1	155: MEDLINE(R)_1966-2002/Nov W3
3	5: Biosis Previews(R)_1969-2002/Nov W3
3	34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W1
2	71: ELSEVIER BIOBASE_1994-2002/Dec W1

4 files have one or more items; file list includes 22 files.

? save temp; b 155,5,34,71;exs;rd
Temp SearchSave "TD571" stored
02dec02 07:26:19 User219511 Session D578.5
$3.74 2.136 DialUnits File411
$3.74 Estimated cost File411
$0.65 TELNET
$4.39 Estimated cost this search
$44.08 Estimated total session cost 3.208 DialUnits

SYSTEM:OS - DIALOG OneSearch
File 155:MEDLINE(R) 1966-2002/Nov W3
*File 155: For updating information please see Help News155. Alert feature enhanced with customized scheduling. See HELP ALERT.
File 5:Biosis Previews(R) 1969-2002/Nov W3
(c) 2002 BIOSIS
*File 5: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 34:SciSearch(R) Cited Ref Sci 1990-2002/Dec W1
(c) 2002 Inst for Sci Info
*File 34: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.
File 71:ELSEVIER BIOBASE 1994-2002/Dec W1
(c) 2002 Elsevier Science B.V.

Set	Items	Description
Executing TD571		
HILIGHT set on as '%'		
	51	LECT2?
	23	MIM-1
	46882	OSTEOBLAST?
	31597	OSTEOCLAST?
S1	9	(LECT2? OR MIM-1) AND (OSTEOBLAST? OR OSTEOCLAST?)
...completed examining records		
S2	4	RD (unique items)

? t s2/7/1-4

2/7/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10079403 99048897 PMID: 9832057
Systemic expression of a newly recognized protein, %LECT2%, in the human body.
Nagai H; Hamada T; Uchida T; Yamagoe S; Suzuki K
Department of Pathology, Nihon University School of Medicine, Tokyo, Japan.
Pathology international (AUSTRALIA) Nov 1998, 48 (11) p882-6, ISSN 1320-5463 Journal Code: 9431380
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
%LECT2% (leukocyte cell-derived chemotaxin 2) is a new, recently isolated protein shown to be synthesized by hepatocytes. All hepatocytes show diffuse immunostaining for %LECT2% within the cytoplasm. In the present study an attempt was made to investigate the expression of %LECT2% in normal and diseased human organs and tissues, other than the liver, using indirect immunoperoxidase staining. %LECT2% was found to be generally expressed in vascular, endothelial and smooth muscle cells, adipocytes, cerebral nerve cells, apical squamous epithelia, parathyroid cells, sweat and sebaceous glandular epithelia, Hassall bodies and some mononuclear cells in immunohematopoietic tissue, although some of these cells and tissues were occasionally unstained in diseased conditions. Alternatively, this protein was generally negative, although it was occasionally positively stained in %osteoblasts% , chondrocytes, cardiac and skeletal muscle cells, smooth muscle cells of the gastrointestinal tract, and the epithelial cells of some tissues. %LECT2% seems to be related to the cell cycle or repair process following damage to a variety of cells.
Record Date Created: 19990202

2/7/2 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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13366128 BIOSIS NO.: 200100573277
An %osteoclast% secreted chemotactic cytokine stimulates changes in protein phosphorylation and activation of p42/p44 MAP kinase in human mesenchymal cells.
AUTHOR: Larsen K I(a); Wang W; Wu X(a); Williams J P
AUTHOR ADDRESS: (a)Pathology, University of Alabama Birmingham, Birmingham, AL**USA
JOURNAL: Journal of Bone and Mineral Research 16 (Suppl. 1):pS374 September, 2001
MEDIUM: print
CONFERENCE/MEETING: Twenty-Third Annual Meeting of the American Society for Bone and Mineral Research Phoenix, Arizona, USA October 12-16, 2001
ISSN: 0884-0431
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

2/7/3 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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12659449 BIOSIS NO.: 200000412951
%Osteoclasts% secrete the chemokine mim-1 and recruit %osteoblastic% precursor cells: Coupling of bone resorption with new bone synthesis.
AUTHOR: Kelpke S(a); Falany M L; Wu X; Thames A M; Williams J P
AUTHOR ADDRESS: (a)Surgery, University of Alabama, Birmingham, AL**USA
JOURNAL: Journal of Bone and Mineral Research 15 (Suppl. 1):pS147 September, 2000

MEDIUM: print
CONFERENCE/MEETING: Twenty-Second Annual Meeting of the American Society
for Bone and Mineral Research Toronto, Ontario, Canada September 22-26, 2000
SPONSOR: American Society for Bone and Mineral Research
ISSN: 0884-0431
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

2/7/4 (Item 1 from file: 34)
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09432705 Genuine Article#: 404TM Number of References: 37
Title: %Osteoclasts% secrete the chemotactic cytokine mim-1
Author(s): Falany ML (REPRINT) ; Thames AM; McDonald JM; Blair HC; McKenna
MA; Moore RE; Young MK; Williams JP
Corporate Source: Univ Alabama,Dept Pathol,Birmingham//AL/35294 (REPRINT);
Univ Alabama,Dept Pathol,Birmingham//AL/35294; Vet Adm Med Ctr,Birmingham//AL/35233; Univ Pittsburgh,Dept Pathol,Pittsburgh//PA/15261; Pittsburgh Vet Affairs Med Ctr,Pittsburgh//PA/15261; Beckman Inst,Mass Spectrometry Core Facil, Div Immunol,Duarte//CA/; Univ Kentucky,Dept Internal Med, Div Nephrol Bone & Mineral Metab,Lexington//KY/40536
Journal: BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 2001, V281,
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ISSN: 0006-291X Publication date: 20010216
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495
USA
Language: English Document Type: ARTICLE
Abstract: %Osteoclasts% are terminally differentiated, multinucleated cells of monocytic origin. In this study, we report that %osteoclasts% secrete a 35 kD protein and that phorbol myristate acetate treatment stimulates secretion dramatically. Peptide digests of the protein were analyzed by mass spectroscopy. The protein was identified as myb induced myeloid protein-1 precursor (mim-1 protein). Mim-1 is expressed specifically by hematopoietic cells and has no known function. It is homologous with the neutrophil chemokine, chondromodulin II, which stimulates proliferation of %osteoblasts% and chondrocytes. Western analysis showed that %osteoclasts% secrete mim-1 into culture media. Immunofluorescence studies demonstrated an cytoplasmic and perinuclear distribution of mim-1 in both avian %osteoclasts% and human %osteoclast%-like cells. Expression and secretion of a chemokine-like protein by %osteoclasts% suggests a novel signaling pathway in the bone microenvironment that may be involved in coordinating bone remodeling. (C) 2001 Academic Press.
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